Abstract of the Disclosure

A method for the production of an actuator device and an actuator device. The actuator device comprises a more particularly fluid power driven actuator able to move in a housing and a position detecting means, in the case of which by means of an exciting current from a current source an actuator in a magnetostrictive wave guide a concentric magnetic field may be produced, such wave guide being arranged along a working stroke of the actuator, such magnetic field being able to be so influenced by a position indicating magnet arranged on the actuator that an ultrasonic wave deforming the wave guide is obtained. A measurement means is present for the position of the position indicating magnet on the basis of measurement of the transit time of the ultrasonic wave. The wave guide and a return guide for the reflux of the exciting current to the current source are made available on an assembly stage in a predetermined amount suitable for measurement paths of different length, at which the actuator is assembled. At an assembly stage the wave guide is cut to a length suitable for the measurement path of the respective actuator device to be produced and is electrically connected with the return guide.

Figure 2